

WHAT IS CLAIMED IS:

1. A transport and storage device, comprising:
a cargo container;
a door pivotally connected to a side of the container by a hinge mounted on an inside surface of the door; and
wherein said hinge and a hinged edge of the door are arranged entirely inside the container.

2. The device recited in claim 1, wherein
said hinged edge of said door includes an angled projection;
and
a wall of said container includes a concave lip for receiving the projection when the door is closed.

3. The device recited in claim 2, wherein said projection extends substantially perpendicular to a front face of the door and said concave lip is L-shaped.

4. The device recited in claim 3, wherein said projection and L-shaped lip extend along substantially the entire length of the hinged edge of the door.

5. The device recited in claim 4, further comprising a weather seal arranged between said projection and said L-shaped lip.

6. The device recited in claim 2, further comprising means for sliding the door in and out of the container when the door is open.

7. The device recited in claim 3, further comprising means for sliding the door in and out of the container when the door is open.

8. The device recited in claim 4, further comprising means for sliding the door in and out of the container when the door is open.

9. The device recited in claim 5, further comprising means for sliding the door in and out of the container when the door is open.

10. A transport and storage device, comprising:
a cargo container having an unobstructed access opening;
a pair of doors hinged to opposite edges of said access opening;
one of said doors having an angled projection extending from its free edge;
the other of said doors having a concave lip for receiving the projection when the doors are closed.

11. A transport and storage device recited in claim 10, wherein at least one of said doors further includes a second angled projection extending from a hinged end of the door; and
said container further includes a second concave lip for receiving the second projection when the doors are closed.

12. A transport and storage device comprising:
a cargo container including upright end wall, side wall, and corner frame members, at least two of said frame members defining at least one side access opening of the container;
at least one door hingedly mounted for movement between a closed position closing said access opening and an open position whereat the door does not interfere with said access opening;
a hinge mechanism arranged to support said door relative to one of the frame members, said hinge mechanism comprising a hinge, roller, track and roller bracket, said track mounted in fixed relationship relative to a respective frame member and extending from a side of the cargo container towards an

opposed side of the cargo container; said hinge attached to an interior side of the door adjacent an upright hinged door edge; and said roller and roller bracket spanning said hinge and track, with said roller supporting said roller bracket and engaging said track in rolling relationship along the track; said hinge connecting the door and the roller bracket so that the hinged door edge is arranged to pivot about an upright axis relative to the roller bracket, and said roller bracket is arranged so that the bracket and door may slide parallel to an end wall of the cargo container within the cargo container by means of said roller engaging said track.

13. A transport and storage device as claimed in claim 12, including a first weather seal element mounted in fixed relationship relative to at least one of said frame members adjacent the hinged door edge, said door including at the hinged door edge a second weather seal element configured and located so as to engage said first weather seal element in sealing relationship when the door is pivoted to a closed position.

14. A transport and storage device comprising:

a cargo container including upright end wall, side wall, and corner, frame members, at least one side wall frame member and at least one corner frame member defining at least one side access opening of the container;

at least two doors, each door hingedly mounted for movement between a closed position extending across said access opening and an open position whereat the door does not interfere with said access opening;

hinge mechanisms arranged to pivotally support each door relative to one of a side and a corner frame member, said hinge mechanisms each comprising a hinge, roller, track and roller bracket, said track mounted in fixed relationship relative to one of said side and corner frame members and extending from a side of the cargo container towards an opposed side of the cargo container; each hinge attached to an interior side of a respective door adjacent an upright hinged door edge; and each roller and roller bracket spanning a respective hinge and respective track, with each roller

supporting a respective roller bracket and engaged with said track in rolling relationship along the track; each hinge connecting a respective door and a respective roller bracket so that each hinged door edge is arranged to pivot about an upright axis relative to each roller bracket, and each roller bracket is arranged so that the respective roller bracket and a respective door may slide parallel to an end wall of the cargo container within the cargo container by means of said rollers engaging said tracks;

said doors configured and dimensioned to meet each other within the access opening along their mutual free upright edges when the doors are in closed positions.

15. The transport and storage device as claimed in claim 14, including a first weather seal element attached to one of said free edges and a second weather seal element attached to the other of said free edges, said weather seal elements joined in sealed relationship when the doors are in closed positions.

16. A transport and storage device as claimed in claim 14, including first weather seal elements mounted in fixed relationship relative to respective frame members, each door including at a hinged edge a second weather seal element configured and located so as to engage a respective one of said first weather seal elements in sealing relationship when the door is pivoted to a closed position;

a third weather seal element attached to a free edge of one of the doors; and a fourth weather seal element attached to the free edge of the other door, said third and fourth weather seal elements joined in sealed relationship when the doors are in closed positions.

17. A transport and storage device as claimed in claim 14, including first weather seal elements mounted in fixed relationship relative to respective frame members adjacent each upright hinged door edge, each door including at a respective hinged door edge a second weather seal

element configured and located so as to engage a respective one of said first weather seal elements in sealing relationship when the door is pivoted to a closed position.

18. A transport and storage device comprising:

a cargo container including upright end wall, side wall, and corner, frame members, said frame members defining three side access openings of the container;

five doors, each door hingedly mounted for movement between a closed position extending across a respective side access opening and an open position whereat the door does not interfere with the respective side access opening;

a group of two of said doors associated with each of two of said side access openings and one of said doors associated with the third side access opening;

hinge mechanisms arranged to pivotally support each door relative to a respective frame member, said hinge mechanisms each comprising a hinge, roller, track and roller bracket, said track mounted in fixed relationship relative to a respective frame member and extending from a side of the cargo container towards an opposed side of the cargo container; each hinge attached to an interior side of a respective door adjacent an upright hinged door edge; and each roller and roller bracket spanning a respective hinge and respective track, with each roller supporting a respective roller bracket and engaged with said track in rolling relationship along the track; each hinge connecting a respective door and a respective roller bracket so that each hinged door edge is arranged to pivot about an upright axis relative to each roller bracket, and each roller bracket is arranged so that the respective roller bracket and a respective door may slide parallel to end walls of the cargo container within the cargo container by means of said rollers engaging said tracks;

each group of two doors associated with each of two side access openings configured and dimensioned to lie adjacent each other within the

respective side access opening along their mutual free upright edges when the doors are in closed positions.

19. A transport and storage device as claimed in claim 18, including a group of first weather seal elements mounted in fixed relationship relative to respective ones of said frame members adjacent each hinged door edge, each door including at its respective hinged door edge a second weather seal element configured and located so as to engage a respective one of said first weather seal elements in sealing relationship when the door is pivoted to a closed position.

20. The transport and storage device as claimed in claim 18, including a group of first weather seal elements attached to respective ones of free upright edges of one door of each of said groups of two doors associated with two of said access openings, and a group of second weather seal elements attached to the free upright edges of the other of said groups of two doors, said first and second weather seal elements joined in sealed relationship when the doors are in closed positions.

21. A transport and storage device comprising:

a cargo container including upright corner frame members, two of said corner frame members defining at least one side access opening of the container;

two doors, each door hingedly mounted for movement between a closed position extending across said side access opening and an open position whereat the door does not interfere with said side access opening;

hinge mechanisms arranged to pivotally support each door relative to respective corner frame member, said hinge mechanisms each comprising a hinge, roller, track and roller bracket, said track mounted in fixed relationship relative to one of said side and corner frame members and extending from a side of the cargo container towards an opposed side of the cargo container; each hinge attached to an interior side of a respective door adjacent an

upright hinged door edge; and each roller and roller bracket spanning a respective hinge and respective track, with each roller supporting a respective roller bracket and engaged with said track in rolling relationship along the track; each hinge connecting a respective door and a respective roller bracket so that each hinged door edge is arranged to pivot about an upright axis relative to each roller bracket, and each roller bracket is arranged so that the respective roller bracket and a respective door may slide parallel to an end wall of the cargo container within the cargo container by means of said rollers engaging said tracks;

 said doors configured and dimensioned to meet each other within the side access opening along respective mutual free upright door edges when the doors are in closed positions.

22. A transport and storage device as claimed in claim 22, including a group of first weather seal elements mounted in fixed relationship relative to each frame member adjacent each hinged door edge, each door including at its respective hinged door edge a second weather seal element configured and located so as to engage said first weather seal element in sealing relationship when the door is pivoted to a closed position.